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[Michael Hammer, Brian Berkowitz](#)
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DIAL is a problem-oriented and high-level programming language oriented towards d integrates into a unified framework database primitives and computational facilities, : programmer will deal with a single ...

- 2 [Xml schemas in Oracle XML DB](#)
[Ravi Murthy, Sandeepan Banerjee](#)
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Volume 29 , Volume 29
Publisher: VLDB Endowment
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The W3C XML Scheme language is becoming increasingly popular for expressing the documents. It is a powerful language that incorporates both strutural and datatype n many benefits to storing XML Schema compliant ...

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- 3 [Deriving relation keys from XML keys](#)
[Qing Wang, Hongwei Wu, Jianchang Xiao, Aoying Zhou, Junmei Zhou](#)
 January 2003 **ADC '03: Proceedings of the 14th Australasian database conference**
Publisher: Australian Computer Society, Inc.
 Full text available: Pdf (242.78 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [related](#)
Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 14, Downloads (Overall): 10

Much work on XML data was around storage and querying and did not consider const keys. Since constraints have been proposed in many papers for XML, much research being done. In this paper, we consider ...

Keywords: XML key, relation tree

- 4 [New approaches to object processing in engineering databases](#)
[Theo Härder](#)
 September 1986 **OODS '86: Proceedings on the 1986 international workshop on Object-oriented Database Systems**
Publisher: IEEE Computer Society Press
 Full text available: Pdf (116.56 KB) Additional Information: [full citation](#), [abstract](#), [cited by](#), [index](#)

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 9, Downloads (Overall): 82,

It is widely recognized that conventional database management systems (DBMS) offer unsatisfactory performance for applications of the various engineering disciplines. Mainly identified by an increasing number of ...

5 [Automatic creation of interface specifications from ontologies](#)

Iryna Gurevych, Stefan Merten, Robert Porzel

May 2003

SEALTS '03: Proceedings of the HLT-NAACL 2003 workshop on Software architecture of language technology systems - Volume 8, Volume 8

Publisher: Association for Computational Linguistics

Full text available:  [Publisher Site](#),  Pdf (110.51 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 17, Downloads (Overall): 18

The paper presents a system architecture for the automatic generation of interface specifications. The ensuing interfaces (XML schema definitions) preserve a significant amount of the information encoded in the ontology. The ...

6 [Tigukat: a uniform behavioral objectbase management system](#)

M. Tamer Özsu, Randal Peters, Duane Szafron, Boman Irani, Anna Lipka, Adriana Muñoz

July 1995

The VLDB Journal — The International Journal on Very Large Data Bases

Publisher: Springer-Verlag New York, Inc.


Full text available:  Pdf (2.78 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [full text](#)

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 4, Downloads (Overall): 19

We describe the TIGUKAT objectbase management system, which is under development at the Database Systems Research at the University of Alberta. TIGUKAT has a novel object model. Its characteristics include a purely behavioral ...

Keywords: database management, objectbase management, persistent storage systems

7 [Towards a semantics for XML markup](#)

 Allen Renear, David Dubin, C. M. Sperberg-McQueen

November 2002 **DocEng '02: Proceedings of the 2002 ACM symposium on Document engineering**

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (72.89 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [full text](#)

Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 86, Downloads (Overall): 9

Although XML Document Type Definitions provide a mechanism for specifying, in machine-readable syntax, the syntax of an XML markup language, there is no comparable mechanism for specifying the semantics of the vocabulary. That is, there is no ...

Keywords: SGML, XML, knowledge representation, markup, semantics

8 [Developing an XML framework for metadata system](#)

Ruey-Shun Chen, Shien-Chiang Yu

September 2003 **ISI CT '03: Proceedings of the 1st international symposium on Information technologies in libraries**

Publisher: Trinity College Dublin

Full text available:  Pdf (383.59 KB) Additional Information: [full citation](#), [abstract](#), [references](#)


Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 33, Downloads (Overall): 6

Metadata is the media to describe the management and storing of kind of knowledge

Thus, with the compatibility of all various metadata, we can integrate related knowledge management of information ...

Keywords: DTD, XML, metadata, schema, system design

9 [Application of XML tools for enterprise-wide RBAC implementation tasks](#)

 [Ramaswamy Chandramouli](#)

July 2000

RBAC '00: Proceedings of the fifth ACM workshop on Role-based access control

Publisher: ACM  [Request Permissions](#)


Full text available:  Pdf (66.85 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [full text](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 30, Downloads (Overall): 60

The use of Extensible Markup Language (XML) and its associated APIs, for information interchange applications is being actively explored by the research community. In this context, Document Type Definition (DTD) ...

10 [A universal client for distributed networked design and computing](#)

 [Franc Brglez, Hernang Lavara](#)

June 2001

DAC '01: Proceedings of the 38th annual Design Automation Conference

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (205.58 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [full text](#)

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 6, Downloads (Overall): 102

We introduce a universal client (OmniFlow) whose GUI can be readily configured by the user for a variety of applications, concurrently or sequentially, anywhere on the network. The design and implementation of the client is ...

11 [XML schema, tree logic and sheaves automata](#)

[Silvano Dal Zilio, Denis Lugiez](#)

June 2003

RTA'03: Proceedings of the 14th international conference on Rewriting techniques


Publisher: Springer-Verlag

Additional Information: [full citation](#), [abstract](#), [references](#)

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): 102

XML documents, and other forms of semi-structured data, may be roughly described as tree automata. Therefore, it is natural to use tree automata to reason on them. This idea has already been used in the context of Document Type Definition ...

12 [Knowledge management and XML: derivation of synthetic views over semi-structured data](#)

 [Mario Cannataro, Antonella Guzzo, Andrea Pugliese](#)

April 2002

SI GAPP Applied Computing Review, Volume 10 Issue 1

Publisher: ACM

Full text available:  Pdf (126.01 KB)


Additional Information: [full citation](#), [abstract](#), [references](#), [full text](#)

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 99, Downloads (Overall): 86

One of the effects of the expansion of the World Wide Web is the production of a huge amount of information, differentiated for type, available to a large number of different users. Furthermore, the development of computer hardware technology in the ...

Keywords: XML, data synthesis, lossy compression

13 [Conceptual modeling of XML schemas](#)

 [Bernadette Farias Lócio, Ana Carolina Salgado, Luciano do Rêgo Galvão](#)


November 2003

WIDM '03: Proceedings of the 5th ACM international workshop on Web Information Design and Modeling


management

Publisher: ACM  [Request Permissions](#)Full text available:  Pdf (211.65 KB)Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)**Bibliometrics:** Downloads (6 Weeks): 10, Downloads (12 Months): 61, Downloads (Overall): 76

XML has become the standard format for representing structured and semi-structured data. To describe the structure and content of XML data, several XML schema languages have been proposed. Being very useful for validating XML documents, ...

Keywords: ER model, XML, XML Schema, data integration**14** [METU interoperable database system](#) [A. Dogac, C. Dengi, E. Kilic, G. Ozhan, F. Ozcan, S. Nural, C. Evrendilek, U. Halici, B. Arslan, M. Mancuhan](#)September 1995 **SIGMOD Record**, Volume 24 Issue 3**Publisher:** ACMFull text available:  Pdf (145.23 KB)Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)**Bibliometrics:** Downloads (6 Weeks): 0, Downloads (12 Months): 12, Downloads (Overall): 37


METU Interoperable Database System (MIND) is a multidatabase system that aims at integrating data among heterogeneous, federated DBMSs. MIND architecture is based on OMG distributed object model. It is implemented on top of a CORBA ...

15 [Schema extraction from XML collections](#) [Boris Chidlovskii](#)July 2002 **JCDL '02: Proceedings of the 2nd ACM/IEEE-CS joint conference on Digital Libraries****Publisher:** ACM  [Request Permissions](#)Full text available:  Pdf (388.66 KB)Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)**Bibliometrics:** Downloads (6 Weeks): 2, Downloads (12 Months): 49, Downloads (Overall): 56

XML Schema language has been proposed to replace Document Type Definitions (DTDs) for describing XML data. This language consistently extends grammar-based constructions with constraint-based ones and has a higher expressive power ...

Keywords: XML schemas, context-free grammars, schema extraction**16** [Chameleon: an extensible and customizable tool for web data translation](#)[Riccardo Torlone, Paolo Atzeni](#)September 2003 **VLDB '2003: Proceedings of the 29th international conference on Very Large Databases**, Volume 29**Publisher:** VLDB EndowmentFull text available:  Pdf (779.24 KB)Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)**Bibliometrics:** Downloads (6 Weeks): 2, Downloads (12 Months): 8, Downloads (Overall): 22

Chameleon is a tool for the management of Web data according to different formats and languages. It supports the automatic transformation of schemas and instances from one model to another. It has been designed for schema languages for XML, and traditional ...

17 [A design data manager](#) [Kari Alho, Hannu Peltonen, Martti Mäntylä, Reijo Sulonen](#)June 1988 **SIGMOD '88: Proceedings of the 1988 ACM SIGMOD international conference on Management of data****Publisher:** ACM  [Request Permissions](#)Full text available:  Pdf (113.13 KB)Additional Information: [full citation](#), [abstract](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 9, Downloads (Overall): 12

HutBase is a visual design data manager that can be used to store and manipulate data processed by a variety of design applications. In particular, HutBase allows the user to start applications, ...

Also published in:

June 1988 **SIGMOD Record** Volume 17 Issue 3

18 [Automatic generation of MPEG-7 compliant XML document for motion trajectory](#)

 [Yi Haoran, Deepu Rajan, Chia Liang-Tien](#)

November 2003 **MMDB '03**: Proceedings of the 1st ACM international workshop on Multimedia Database Management

Publisher: ACM  [Request Permissions](#)

Full text available:  [Pdf](#) (390.81 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 34, Downloads (Overall): 12

The MPEG-7 standard is a step towards standardizing the description of multimedia content. The efficient identification of relevant content can be facilitated, together with efficient management. The description definition ...

Keywords: Kalman filter, MPEG-7, XML, motion blobs, motion descriptors, motion trajectory

19 [Open Metadata Formats: Efficient XML-Based Communication for High Performance Computing](#)

[Patrick Widener, Greg Eisenhauer, Karsten Schwan](#)

August 2001 **HPDC '01**: Proceedings of the 10th IEEE International Symposium on High Performance Distributed Computing

Publisher: IEEE Computer Society


Full text available:  [Publisher Site](#)

Additional Information: [full citation](#), [abstract](#), [cited by](#)

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall):


Abstract: High-performance computing faces considerable change as the Internet and Applications that once were tightly-coupled and monolithic are now decentralized, with spread across diverse computational elements. ...

20 [Behavior3D: an XML-based framework for 3D graphics behavior](#)

 [Raimund Dachseit, Enrico Rukzio](#)

March 2003 **Web3D '03**: Proceedings of the eighth international conference on 3D Web

Publisher: ACM  [Request Permissions](#)

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Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 41, Downloads (Overall): 7

Success of 3D applications on the Web inherently depends on object behavior and interaction formats often fall short in supporting behavior modeling. This paper introduces a flexible modeling 3D object behaviors. ...

Keywords: Contigra, Extensible 3D (X3D), SMIL, XML-Schema, animation, behavior object behaviors

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